

ABSTRACT OF THE DISCLOSURE

The present invention includes a method of
5 preparing a dry deposited liquid-crystal alignment
layer using one of a mechanical mask, photo-resist, UV
treatment, and ridge and fringe field methods. The
present invention further provides a multi-domain, wide
viewing angle liquid-crystal display, comprising: a
10 bottom substrate; a first transparent conductive layer;
a top substrate; a color filter layer; a second
transparent conductive layer; a first dry deposited
liquid-crystal alignment layer; a second dry deposited
liquid-crystal alignment layer, the second dry
15 deposited liquid-crystal alignment layer being spaced
adjacent to and facing the first dry deposited liquid-
crystal alignment layer; spacers; and a liquid-crystal
material. Each of the first alignment layer and the
second alignment layer is divided into a plurality of
20 pixels each having a boundary and at least two domains
and the domains of each of the multi-domain, dry
deposited liquid-crystal alignment layers is obtained
by a method selected from the group consisting of: a
mechanical mask, photo-resist, UV treatment, and ridge
25 and fringe field. The multi-domain, wide viewing angle
liquid-crystal display of the present invention can be
operated in the in-plane switching mode, which results
in reduced image sticking.